

Appl. No. 10/604,722  
Amdt. dated August 15, 2005  
Reply to Office action of 06/30/2005

**REMARKS/ARGUMENTS**

1. Rejection of claims 1, 2, 4, 6-9, 11, 13, 14, and 17-21 under 35 U.S.C. 102(b):

Claims 1, 2, 4, 6-9, 11, 13, 14, and 17-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Davis et al (US 2002/0064046).

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**Response:**

Claim 1 has been amended to overcome this rejection. Claim 1 now contains all of the limitations previously found in claim 8, and claim 8 has subsequently been cancelled.

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Claim 1 now states that the reflective housing is substantially parabolic shaped. Because of the parabolic shape of the parabolic reflective housing, light is reflected in a parallel path.

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On the other hand, Davis only teaches that the reflective housing 102 has the shape of an ellipse (paragraphs 0020, 0029), and that an elliptical shape is preferred. Davis does not teach or suggest that the reflective housing 102 has a parabolic shape or that the optical path of reflected light is a parallel route. Instead, Davis teaches in paragraph 0038 that the reflected light should be focused on a color wheel 704 which provides light beams to an integrator rod 706. Thus, Davis would not choose a reflector with a parabolic shape for this purpose.

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Likewise, Lemke also does not teach a parabolic shape it would not be effective for focusing the light onto the condenser lens 6 and the subsequent light guide 7.

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Since none of the cited prior art references teach a parabolic reflective housing, the amended claim 1 is patentable over the prior art. Claims 20 and 21 also contain

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limitations stating that the reflective housing has a parabolic shape and that reflected light has an optical path with a parallel route. Therefore, claims 20 and 21 should be allowable as well. Moreover, claims 2, 4, 6, 7, 17, and 18 are all dependent on claim 1, and should be allowed if claim 1 is allowed. Claims 9, 11, 13, and 14 have been cancelled, and are no longer in need of consideration. Reconsideration of claims 1, 2, 4, 6, 7 17, 18, 20, and 21 is respectfully requested.

2. Rejection of claims 5 and 12 under 35 U.S.C. 103(a):

Claims 5 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis et al. in view of Lemke (US 5,615,938).

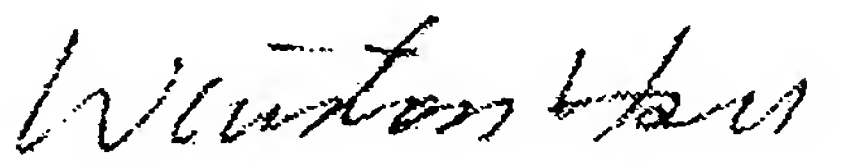
**Response:**

Claim 5 is dependent on claim 1, and should be allowed if claim 1 is allowed. Claim 12 is cancelled, and is no longer in need of consideration. Reconsideration of claim 5 is respectfully requested.

In view of the above arguments in favor of patentability, the applicant respectfully requests that a timely Notice of Allowance be issued in this case.

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Sincerely yours,



Date: August 15, 2005

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